



## SUBSTITUTE SPECIFICATION

### PLECTRANTHUS PLANT NAMED 'P000306'

Latin name of genus and species of the plant claimed:

*Plectranthus hybrida*

5 Variety denomination:

P000306

## BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of *Plectranthus* plant, botanically known as *Plectranthus hybrida* (Family Lamiaceae), hereinafter referred to  
10 by the name 'P000306'.

The new *Plectranthus*, 'P000306', is a product of a planned breeding program conducted by the Inventor, Gert Johannes Brits, in Stellenbosch, Republic of South Africa. The objective of the breeding program is to improve upon the *Plectranthus* varieties currently available, such as the cultivar 'Edelbau' (unpatented) by developing a  
15 *Plectranthus* variety with more compact growth habit, larger flowers and improved vigor. The new *Plectranthus* originated from a hybrid backcross by the Inventor between a proprietary selection of *Plectranthus saccatus* named 'F1' (*Plectranthus saccatus* x *P. hilliardiae*; unpatented) and a proprietary selection of unnamed *Plectranthus hilliardiae* (unpatented). The parental cultivar, *P. hilliardiae*, has a compact plant habit, large  
20 elongated leaves, purple veined leaves on the underside, and a narrow, elongated flower tube. The parent cultivar *P. saccatus* has a tall, straggly plant habit, the leaves are not elongated, green leaves on the underside, and large, wide flower tube, largest flower in the genus.

The new cultivar has been produced only by vegetative propagation (cuttings).

The Inventor selected the new *Plectranthus* cultivar from the progeny of the above cross in 2001 on the basis of its compact growth habit, larger flowers and increased vigor.

Asexual reproduction of the new cultivar by terminal cuttings taken and  
5 propagated in 1999-2000, has shown that each of the progenies exhibit characteristics identical to the original plant. These characteristics have been shown to come true to form through many generations of asexual propagation under commercial production conditions in Nr. Lyndelse, Fyn, Denmark. The present invention has been tested under lighted greenhouse conditions and for keeping quality in a consumer environment, but  
10 may differ in various aspects if grown under different conditions.

#### SUMMARY OF THE INVENTION

Plants of the cultivar 'P000306' have not been observed under all possible environmental conditions. The phenotype may vary somewhat with variations in environment such as temperature, light intensity, day length, and fertility level without,  
15 however, any variance in genotype.

The following traits have been repeatedly observed and are determined to be the unique characteristics of 'P000306'. These characteristics in combination distinguish 'P000306' as a new and distinct cultivar:

1. Light pink flowers;
- 20 2. Compact and freely branching plant habit;
3. Shorter production time, 12 – 14 weeks compared to 16 – 28 weeks; and

Side-by-side comparisons between the instant plant and other similar *Plectranthus* were conducted by the Inventor, including the variety 'Edelblau'. Plants of 'P000306' differ from other similar *Plectranthus* cultivars and the variety 'Edelblau' in the following characteristics:

5 1. Plants of 'P000306' have larger light pink flowers than plants of similar *Plectranthus* cultivars.

2. Plants of 'P000306' have better branching growth habit and denser, more colorful foliage than plants of similar *Plectranthus* cultivars.

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3. Plants of 'P000306' have a faster growth rate than plants of similar *Plectranthus* cultivars.

#### BRIEF DESCRIPTION OF THE DRAWINGS

15 The accompanying photographic drawings illustrate the overall appearance of the new cultivar, showing the colors as true as it is reasonably possible to obtain in colored reproductions of this type. Colors in the photographs may differ slightly from the color values cited in the detailed botanical description, which more accurately describe the actual colors of 'P000306'.

20 The first photographic drawing shows a side perspective view of a typical flowering plant of 'P000306' as grown in 12 cm pots. The second photographic drawing shows a close-up view of typical flowering racemes of 'P000306'.

#### DETAILED BOTANICAL DESCRIPTION

In the following description, color references are made to The Royal Horticultural

conditions. The plants described were between 15 and 18 weeks old after cutting, as grown in 12 cm pots.

Parentage: Hybrid backcross between proprietary selection of *Plectranthus saccatus* named 'F1' (*Plectranthus saccatus* x *P. hilliardiae*; unpatented) and unnamed

5 *Plectranthus hilliardiae* (unpatented).

Propagation:

Type cutting. Terminal vegetative cuttings.

Plant description:

10 Form: Perennial, herbaceous plant with upright, branched plant form.

Crop time: Flowering induced by short day treatment in 12 cm pots for 4 weeks under greenhouse conditions.

Plant height (soil level to top of plant plane): About 35 cm.

15 Plant spread: About 35 cm

Stem: Upright, stiff, square, branching from base, RHS 136B (dark green)

Vigor: Vigorous growth rate

Foliage description: Leaves single, ovate, serrate. Arrangement: opposite, decussate.

20 Length: 8 cm. Width: 6 cm. Apex: Acuminate. Base: Cuneate. Texture: adaxial: rough (hispid), shiny; abaxial: smooth, velvety. Venation: prominent, dark purple-brown, N79

B. Color, ventral side: Young foliage, upper and lower surfaces: RHS 136 A, green.

Mature foliage, upper and lower surfaces: RHS 136 A. Color, dorsal side: Young foliage, RHS 138 B. Mature foliage: RHS 138 B.

25 Petiole: 3 cm in length, 5 mm diameter, hispid texture, RHS 147 A

Flower description:

Flower arrangement: Raceme of panicles.

Flower shape: Irregular labiate, flat tubular with 4 lips of different size and shape.

Flower longevity on the plant: Longevity of individual flowers is highly dependent on  
5 temperature and light conditions; single flowers last from 4 to 6 days in the greenhouse  
with full sun and temperatures not exceeding 20 °C; plant may retain flowers up to 4  
weeks in sufficient light and temperatures not exceeding 20 °C..

Number of flowers per inflorescence: 20; 60 stem; up to 150 per plant.

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Inflorescence size: Apical: 7 cm; Basal: 3 cm in length; Diameter: 8 cm; average size of  
individual flower is 22 mm

Floral tube: 22 mm in length; diameter 16 mm vertical; 6 mm horizontal

Buds: Length: Up to 15 mm before anthesis; height: 5 mm; width: 1 mm; tubular with  
15 angular "head", RHS 72 A; base RHS 63 B, pink, to white-purple RHS 72D.

Petals: 5 fused to basal, flat tubular corolla. Lips spotted, velvety texture. Top lip (2  
fused) to inverted cordate form, revolute upright, 9 mm. Bottom lip involute, almost cup-  
shaped, 5 mm. Wing lips small, rounded, 2 mm. Color: ventral side of lips: light purple,  
20 RHS 73 B; red-purple spots: N79C; throat: light violet, RHS 85D; dorsal side: light red-  
purple, RHS 72 C.

Calyx: 5 pointed lobes fused at base; veins: dark purple, N79A; ground tissue: green,  
RHS 138 C.

25 Reproductive Organs:

Stamen: 4 monodelphous, lower part fused to corolla tube.

Anther: Kidney-shaped, purple, N79B

Pistil: One, lower part fused to corolla tube; free part 5 mm, curling upward with cleft stigma, purple, N79B

5 Ovary: N144A, yellow-green; 5 seeds in capsule; color of immature seeds: RHS 150B light yellow green

Seed: 5 seeds per capsule. Immature seeds: RHS 150 B (light yellow-green)

Fragrance: None

Weather tolerance: Plants of the new *Plectranthus* have exhibited good tolerance to  
10 drought, rain and wind, low temperature resistant to 5 C.